MARCH
VOL.2

# BULLETIN

1971
NO.3

SAN ANTONIO RADIO CLUB

President - Floyd Roland, W5JKU  Secretary - Bill Ross, K5LLK
Vice-President-Gene Jank, W5EJT  Treasurer - Frank Box, WA5VFM
Sargeant-at-Arms - Dan DeLay, W5DUI

Meets first and third Fridays at 7:30 p.m. at the Red Cross Building, 90 Brees St. All who have an INTEREST in amateur radio are cordially invited to attend.

Bulletin Editor, Dean Davis, W5BGE  Typist, Maybelle Davis, XYL
Published Bi-monthly (Hopefully!)

+++ +++ +++ +++ +++ +++ +++ +++ +++ +++ +++ +++

## PREZ' KORNER

by W5JKU

At the Jewish Community Center, the code and theory classes got under way the first week in February. The class registration is 36, mostly energetic, budding hams. They are being bombarded two nights a week with half periods of code and theory. Carl WA5DQG, who is teaching the code said, "The first night someone snapped his fingers, the members of the class copied an "e". The class is progressing very well with the code, and it appears that most of them could now pass the novice license. In fact, Frank WA5VFM has given two novice exams to members of the class. They were Jack Fairman and Michael Shapiro. The theory is progressing real well, also. It is refreshing to work with this group. You might say that we are gradually breaking the language barrier. (Put yourself back to the beginning when you were first exposed to the wonderous jargon of ham radio.) The class is going through the typical learning sequence; about the time you think you have learned one thing, something new comes up, but two months from now they will look back and wonder why the beginning theory was so difficult. We are now at the point where the class is having good question and discussion sessions. From the looks of the class it appears that the "Women's Lib." movement has reached San Antonio's ham radio circles. There are six women in the class and five are XYL's of hams. They are Edna Kennedy (OM-W5QDB), Laura Schnider (OM-W5UYE), Irene Thomas (OM-W5UNU), Janice Frenzel (OM-K5DSF), and Charlene Huggins (OM-WA5TIK of Whitsett). It is a pleasure to have these ladies in the class, and we look forward to hearing them on the air when they get their licenses.

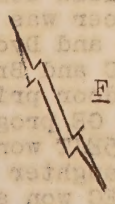
We have had two good programs since the last bulletin. The first was a talk by Bob K5AUW, on Biochemical Instrumentation, a discussion of some of the biological measurements with electronic read-out and the safety problems in using them. The second was a film and demonstration by Joe WA5OMB and Al WA5IBD, on artificial resperation by the mouth to mouth method. We feel that is something all hams should know. A May program will be presented by Bill K5LLK, on tape recorders.

All amateurs in the S.A. area should now make plans to participate with the SARC in the annual Field Day exercises which will be held June 26 and 27. Contact F. D. Chairman, Frank W5QMH for info.

Hope to see you at the meetings. 73 de W5JKU, Floyd.

(Ed. Note: Floyd Roland W5JKU is the instructor for the theory portion--a very capable person in the electronic field, Professor and Chairman of the Department of Engineering Technology at San Antonio Junior College.)

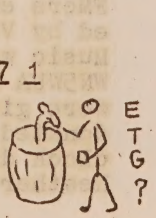
-.-. --.- ..-. -..



MAKE PLANS RIGHT NOW!

FIELD DAY - JUNE 26 AND 27, 1971

NORTHEAST PRESERVE



# TEXAS VHF-FM

by W5BGE

The San Antonio Repeater Organization hosted the Texas VHF-FM Society winter meeting at the El Tropicano Motor Hotel Feb. 26, 27 and 28. Over 175 amateurs from the Texas area were represented, coming from Dallas, Arlington, Ft.Worth, Houston, Nederland, Mineral Wells, Corpus Christi, San Angelo, Austin, Alice, Jasper, Von Ormy, Blanco, Pasadena, Tarzana, Cal., Saddle Brook, N.J., Riviera Beach, Fla., Southfield, Michigan, and many other QTH's.

Friday night's session was highlighted with Art Householder K9TRG, showing slides of Spectronics stock rehabilitation, explaining the types of Motorola equipment generally in demand. He also gave suggestions for new uses of obsolete equipment. By this time some 52 had registered. A local emergency, the Volkswagon 9 million dollar fire, required the services of some of this group working with Red Cross. Terry W5ETG, Walt K5YFW, Jerry K5CFQ, and Dan W5YOY were immediately pressed into service working with the Red Cross van and furnishing communications on 2 meters. Frank W5QMH, Bexar county EC coordinated this group. Lee K5HZR also showed up. This gave the conventioneers a chance to see the local group in action in an emergency. Walt K5YFW's rig (ICE) was stolen from Terry's car sometime Friday night in front of El Tropicano. He would appreciate any help the local group can give in locating it.

Bob Wigton WA5WON, operating on both 2 and 6, did an excellent job of working the hams into convention headquarters both Friday and Saturday, spending many hours and keeping the 2 and 6 meter FM world well informed of the goings on at El Tropicano.

Saturday sessions included the following: ❁ Tex Kennedy W5QDB, a local repeater pioneer discussed commercial techniques. Tex also introduced Dave Pearlstone, president of Gregory. Tex, as you may well know from looking at his stock, is probably Mr. Gregory South! ❁ Mike Van Den Branden WA8UTB described his new magazine RPT, a magazine devoted exclusively to FM techniques and products. The first issue will be published in July. Many subscriptions were sold and if anyone is interested, he can write to RPT Magagine, PO Box 220 Southfield, Michigan, 48075. The advance subscription rate, prior to July, is $4 for one year and $10 for 3 years--a HT 220 or SR-C811 SH will be given away to the advanced subscribers at a drawing at Expo 71 near Chicago. ❁ Bob Pace WA5CJG presented a plan for Texas Intercity Repeater System which would link Brownsville, Corpus Christi, Alice, Port Arthur, Houston, Navasota, Austin, San Antonio, Waco, Dallas-Ft.Worth area, and other cities on VHF-FM which was received with great interest. ❁ Nick Broline W5FUA moderated a FM discussion of what's happening throughout the state. He presented a well developed plan for repeater frequency coordination on 2 and 450. ❁ Floyd Roland W5JKU, SARC president, lead a discussion on FM principles and techniques which was well attended and created much interest.

Saturday afternoon, a frequency and deviation measuring on Cushman equipment, courtesy of Kennedy Associates was ably handled by Bob WA5WON and Larry WA5KQB. Many took advantage of this equipment to check out their rigs.

Saturday morning, some 40 women and children left El Tropicano for a boat ride down the San Antonio River. Their trip ended near Joske's of Texas where they enjoyed a style show and lunch. A shopping spree followed, much to the constermation of their OM's--ask Roy W5EYB! Sunday morning, many of the women took their children to Brackenridge Park and the Zoo.

Saturday night, at the Lone Star Pavilion at Hemisfair Plaza some 150 FMers enjoyed Mexican food, beer and soft drinks. The beer was donated by Varitronics, Art Householder, Mike Van Den Branden and Dycomm. Music was furnished by the two sons of K5AIU, Mark WN5WUC and Bruce WN5WUA Maniscalso and their friend, John Perkins. Many door prizes were given away during the evening, including a complete GE prog line donated by Dave Pearlstone of Gregory Electronics.Gene W5EJT won a clock donated by K5AIU, Chuch Maniscalso, Larry W5QMU, daughter Heather won a cordless electric razor. Al Richards WA5JEC won a 50

watt transisterized 2 meter transceiver, donated by Mann Electronics, in Tarzanna, California.

Sunday morning started with a breakfast at El Tropicano with nearly 100 in attendance (in spite of the late Sat. nite celebrating). Favors for thie group were furnished by Chuck K5AIU. Besides a good breakfast, some fancy ragchewing took place.

The Sunday morning business of the society was opened by the President George Zincke WA5OYB. ⊙ Roy Albright W5EYB, West Gulf Director of ARRL, was introduced. He emphasized that the Society should in all deliberate haste establish the intercity repeater system before the next emergency. He further pointed out the need for all amateurs to support the ARRL, since it was the only national organization with no profit motive and dedicated solely to enhance the status of the amateurs. ⊙ Nick Broline W5FUA presented a plan for repeater frequency coordination for 2 and 450 and it was adopted. ⊙ Bob Pace WA5CJG submitted a proposed plan for TIRS--Texas Intercity Repeater System--which was well received. ⊙ George Williams WA5TKO was appointed chairman of a committee to draw up a constitution and bylaws for the Society. ⊙ The Dallas-Ft.Worth area was selected for the summer meeting of the Texas VHF-FM Society meeting (probably at the Inn of the Six Flags) ⊙At a break, potato chips donated by Frito-Lay and Pepsi Colas donated by Huntress Bottling Co. were served. ⊙Ivan WA5RNV won a T51 low band transceiver. Lee K5HZR received a 12 volt battery which he donated to the SARC for the generator. Jim Rutledge K5UKN was the proud winner of the raffle which was a HT 2 Varitronics walkie talkie. Oh yes, ye editor won a can of Amway hand cleaner donated by M. D. K5PKX. The convention adjourned at 1 p. m., which should have resulted in earlier, safer return home.

Many commented that they were happy to see so many distributor exhibits at a meeting. The exhibitors included: Regency, Varitronics, Dycomm, Spectronics, RPT Magazine and Gregory.

Larry Higgins W5QMU, president of SARO, stated that he was delighted that it was such a good convention, also he was happy that so many of the major prizes stayed home. He was flattered that so many VIP's from the FM world came. He further stated that he especially wanted to thank Bob Wheaton W5PKK, convention chairman, who proved to all that thinking BIG sometimes makes things happen BIG!

Bob Wheaton W5PKK, convention chairman, commented that he was elated over the response and effect of the convention as a whole; that thanks for the success can go to many people, and for the VIP's who spent considerable sums of money to exhibit and participate. He also said that thanks should go to those committees involved in advance planning and last, but not least, a special thanks to those who spontaneously found some way to help and did. He further stated that a strong precedent had been set and that we will look forward to attending State Society meetings, each bigger and better than the last. 73. Dean W5BGE.

-.-. --.- ..-. -..

SAN ANTONIO RADIO CLUB MEMBERSHIP
(Add the following names to your roster of active club members)

| | | | | | |
|---|---|---|---|---|---|
| CASTILLO, | Jesse | W5DTK | 147 E. Baylor | 78213 | 226-6986 |
| DUOBA, | Charles | WA5SDC | 139 Future | 78213 | 342-8584 |
| FAIRMAN, | Jack | | 9802 Carolwood | 78213 | 342-5437 |
| GAFFORD, | W. A., Jr. | WB5BTW | 714 Patricia | 78216 | 344-3602 |
| GOEPPENGER, | John | WAØJZR | Ft. Sam Houston,Co.A.1st.B. | MFSS | |
| HERSCMAN, | Boyd | WA3NIK/5 | 3031 Eisenhaur,Apt.35 | (09)822-3114 | |
| HIX, | Jim | W5EZY | 525 Glanis Ave. | 78223 | 534-5673 |
| KARPOWICZ, | Greggory | WA5UAM | 138 Tabard Dr. | 78213 | 736-0615 |
| MOORE, | Grant | W5DRO | 118 Erskin | 78201 | 732-6657 |
| PARKS, | C. B. | W5UNE | 319 Sinclair Rd. | 78222 | 333-6334 |
| RODRIGUEZ, | Robert | K5AUW | 467 Furr Dr. | 78201 | 735-0983 |
| RODRIGUEZ, | Olie | | 467 Furr Dr. | 78201 | 735-0983 |
| SPARKS, | Ed | WN5ZEG | 138 Vanderheck,Apt.7 | (09) 824-5454 | |
| FUHMAN, | Tom | WN5BKK | 107 Morningside | 78209 | 822-1050 |

# SCM REPORT

by K5HZR

By now each affiliated Club and ARRL member should have received information regarding FCC proposal Docket 19162 on expansion of the voice sub-bands. Full information will be contained in April QST. West Gulf Division Director, Mr. Roy L. Albright W5EYB has prepared a Director's letter asking for specific answers to Docket 19162 from each ARRL member in the Division. He has asked that you hold in abeyance any comments to him in this matter until you receive this letter. When you do get the Director's letter, do some soul-searching and do what you think is best for amateur radio but, in any event, make your wishes known. Your Director represents some 5000 ARRL members and he cannot adequately state your opinion at the director's meeting in May unless you respond. The League position and eventual filing with the FCC on this Docket rests entirely on your collective opinion. The view of your club or the individual views of members--or both--should be sent to the FCC Washington, D. C., prior to the June 1 deadline, making reference to Docket 19162.

Another item coming up soon on the FCC agenda is the EIA's proposal to remove the 220mhz segment from amateur use and open it for Citizen's Radio Class E. A blind man could see where this leads to. In this proposal they contend that the Citizens Radio Service out performs the amateur radio service in public service. Heed not these uninformed vociferous vultures of doom. We have all heard this before. About the only horn blowing in support of the plain old vanilla amateur is the American Radio Relay League. Let's help with our own support. United we stand, divided we fall.

E. Lee Ulrey K5HZR
Section Communications Manager Southern Texas Section ARRL

-.-. --.- ..-. -..

# 3 PHASE MOBILE P/S

by WA5RNV

After using an ADCOM 500 supply with my DuoBander for some two years, trouble free, I suddenly developed an intermittant short that began burning out two or more switching transistors each time. Replacement and repairs went so far as to replace the transformer.

Byron WA5KZN had been using a 3 phase supply in his Volkswagon for a year or more with success, so I contacted him. I was amazed at the lack of noise, and heat, especially in under seat mountings. With plenty of prodding and promise of help from him and Red KØRAJ/5, we started gathering parts. Luckily, I had 3 identical matched surplus sealed transformers $3\frac{1}{2}$x$3\frac{1}{2}$x4 with 110V primary and a pair of 6.3V@5A secondaries. Connected the 6.3V windings of each for 12.5V input from alternator. The then 110V secondary windings from each transformer was hooked up thru a voltage doubler circuit to give high B+ of approx. 800V. 110V windings from two of the transformers thru a full wave bridge, gave me low B+ of appros. 300V. Filament voltage was taken direct from battery with a separate wire run. Instead of using the third transformers 110V winding for Bias voltage, I used a small 110V/12.6V transformer reversed, and herein began a problem.

Above engine idle speed, the supply works perfectly. However, with engine at idle speed, voltage drops, finals draw current and go into cut-off. Byron noted this same condition with his unit, and had installed a VR tube. After discussing the problem with DB W5PEK and many others, it was decided to change this supply to a voltage doubler, voltage divider, and Zener regulation of the output to a -120V adjustable. This modification has solved all the problems.

Connections to the alternator is simple. Run a 3 cond #12 stranded wire, solder one lead to each of the three terminal posts inside the rear of the alternator. Be sure and slip a small hard wire into the small hole at rear of alternator to hold the springs and brushes while taking the alternator apart.

Performance is excellent: Hi B+ 820V no load, 745V key down. Low B+ 310V no load, 270V under load. After using the Adcom with 1200V Hi

# QCWA MEETS

By W5BGE

The S. A. chapter of the QCWA held its annual social on March 13 at Strange's Party House, with nearly 50 in attendance. Out of town guests included Mr. and Mrs. Hal Sears W5NC, and Mr. and Mrs. Monte Montemayor W5JKC coming from Houston; Mr. and Mrs. Earl Debord W5PPQ and Mr. and Mrs. Henry Hengles W5RLN from Austin; and Mr. and Mrs. Cedric Toler W5FNH (celebrating their 45th wedding anniversary) from Kerrville.

The meeting was MC'd by Gene W5EJT, the local chapter's president, who stated that the chapter now has 37 members. Besides the out of towners, the QCWA's who were in attendance included: Robert W5DCP, Dan W5DUI, Bill W5GYW, Kirk W5EOS, Ben W5ZED, Frank W5EDX, John W5LPO, Clarence W5HIV, Doc W5KJ, Roy W5 EYB, Dean W5BGE, Les W5BE, Frances W5KQG, and Gerald W5ABQ. (Of course, they brought their XYL's or OM's.) Other licensed amateurs in attendance included: Ruth K5OPT, Peggy WA5GZO and Johnny W5LVE.

Hal Sears W5NC, the only 5 on the board of directors of the QCWA, commented that the 5th district now has 7 chapters. Also, that the 5th district is ahead in number of new members. Reason given was that there are many more things going on, and they are closer together. He reminded us that the Houston Amateur Radio Club is sponsoring its annual Old Timers' Night on April 17, and that invitations to all in the state will be given.

Roy Albright W5EYB, West Gulf ARRL Director, in talking to the group reported that the West Gulf Division had a 5.4% increase in ARRL membership. Also that questionaires will be mailed to all ARRL members in the W.G.Div. pertaining to the new proposed rule-making of the FCC on segmentation of the amateur bands and the results of the questionaire will be his guideline for the next board meeting in May at Hartford. The more replies--the louder his voice speaks.

Another highlight of the evening was Monte W5JKC's film presentation. Four films were shown which included the Nov. Lake Texhoma meeting, the Feb. Corpus Christi Old Timers' meeting, the formation of the Golden Triangle Chapter (Beaumont, Pt.Arthur & Orange) and last but not least the SARC's last Christmas party, which really brought many comments from the group. Monty was assisted by Johnny W5LVE. The films were enjoyed by all present. Good food-fellowship and everyone seemed to have a fine time. 73. Dean W5BGE.

-.-. --.- ..-. -..

# EC REPORT

By W5QMH

FIELD DAY, June 26 and 27, is just around the corner--so-o-o make your plans now! All amateurs in the S.A. area are invited to participate. Preparations are going along quite well. The entire camping area at the Northeast Preserve has been reserved, which will provide more transmitting sites. The usual plenty to drink will be available. Joe WA5OMB, John Henderson, and Bill WA5QHG are co-chm.

The SARC's official score for SET was 290 points. Red Cross and Weather Bureau officials were on hand to originate messages to their headquarters and were pleased with the results. Nearly 50 amateurs in the S.A. area participated. Our special thanks to all who helped make this a success. CU FD. 73. Frank W5QMH.

-.-. --.- ..-. -..

## S P L A T T E R !!

FLASH!--The Walt Duboses (K5YFW) have a new addition to their family a 6 lb,14 oz. boy named Lawrence Morgan (Larry) and born March 8.... The John W5LPO's had recent visitors, the VK6WT's and the WA5DIZ's ....Jerry W5KLV is now home from the hospital & doing well.... Geo. W5VPQ has been reappointed to ARRL VHF Repeater committee.... Frances W5KQG now up and around after major surgery....7290 Tfc.Net picnic will be April 24-25 at Lake Whitney State Park....The Janks W5-EJT and K5OPT are flying to Europe around the middle of April. Repeat performance, they must like something over there....Read in the OFF RESONANCE that W5KR, Brownsville has a Galaxy V, Mk III, with power supply for sale....CQ FD CQ FD CQ FD CQ FD CQ FD CQ FD CQ FD.

THE AMERICAN RADIO RELAY LEAGUE, INC.

ADMINISTRATIVE HEADQUARTERS NEWINGTON, CONNECTICUT, U. S. A. 06111
ROY L. ALBRIGHT, W5EYB, DIRECTOR, WEST GULF DIVISION
107 ROSEMARY, SAN ANTONIO, TEXAS, 78209
TELEPHONE 512 822-7269

ROBERT W. DENNISTON W9DX, PRESIDENT
WAYLAND M. GROVES W5NW, FIRST VICE PRES.
ROEMER O. BEST W5QKF, VICE PRES.
P. L. ANDERSON, JR. W4MWH, VICE PRES.
DAVID H. HOUGHTON TREASURER
JOHN HUNTOON WILVQ, SEC. & GEN. MGR.

QST OFFICIAL ORGAN

25 Feb 1971

Late this afternoon the Commission released a Notice of Proposed Rule Making, adopted yesterday, which disposes of 15 petitions that have been pending (none submitted by ARRL). The complete text, some 10 pages, is not yet in our hands but will be forwarded as soon as available, and hopefully will be in time for April QST.

In brief, here are the Commission's proposals.

a) All 25-kHz Extra Class cw segments would be reduced to 10 kHz.

b) Other suballocations on the various bands, all for voice emission (except of course the Novice segments) would be rearranged as follows:

| | |
|---|---|
| 80 meters: | 3750-3775 Extra Class |
| | 3775-3875 Advanced and Extra |
| | 3875-4000 General/Conditional and higher |
| 40 meters: | 7075-7100 Advanced and Extra, interregional contacts only (WS to Europe, etc) |
| | 7100-7150 Novice |
| | 7150-7175 Extra |
| | 7175-7225 Advanced and Extra |
| | 7225-7300 Conditional/General and higher |
| 20 meters: | 14150-14175 Extra |
| | 14175-14250 Advanced and Extra |
| | 14250-14350 Conditional/General and higher |
| 15 meters: | 21100-21200 Novice |
| | 21200-21225 Extra |
| | 21225-21325 Advanced and Extra |
| | 21325-21450 Conditional/General and higher |
| 10 meters: | 28150-28250 Novice |
| | 28350-28375 Extra |
| | 28375-28500 Advanced and Extra |
| | 28500-29700 Conditional/General and higher |

Comment date is 1 June. More on this later

ROY L. ALBRIGHT, W5EYB
Director, West Gulf Division, ARRL
107 Rosemary, San Antonio, TX 78209

SAN ANTONIO RADIO CLUB
P. O. BOX 62
SAN ANTONIO, TEXAS 78206

SAN ANTONIO TEX MAR 17 PM 71

FIGHT TB SUPPORT TB ASSOC. 6c

George Munch W5VPQ
11314 Janet Lee
City 78230